

**I claim**

1. A method of making a Dental Prosthesis comprising:
    - a) providing a working platform, whereby said working platform is selected from the group consisting of a dental patient's mouth and a model representation of a dental patient's mouth;
    - b. providing a formable metal;
    - c. providing a joining means for joining said formable metal;
    - d. shaping said formable metal on said working platform;
    - e. joining said formable metal with said joining means to form a solid and rigid metal structure where said solid and rigid structure becomes at least part of said Dental Prosthesis; and
    - f. finishing said Dental Prosthesis.
  2. A method of making a Dental Prosthesis according to claim 1 wherein said finishing step further comprises:
    - a. providing a tooth-like outer layer;
    - b. forming and finishing said outer layer on said metal structure.
  3. A method of making a Dental Prosthesis according to claim 1 whereby said Dental Prosthesis is selected from the group consisting of an inlay, an onlay, a full metal crown, a crown, a bridge, a fixed prosthesis, a removable prosthesis, a partial denture and a denture.
- Oral Sekendur, 399 West Fullerton Pkwy., #15W, Chicago, IL 60614; Tel. (773) 880-5574



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4. A method of making a Dental Prosthesis according to claim 1 whereby said joining means is selected from the group consisting of a soldering means, a braising means, a welding means, a laser welding means, a bonding means, an encasing means, a filling means, a covering means, a flowable metal means, flowable plastic means, a dental resin means, a flowable resin means, a composite means, a porcelain means, a metal means, a plastic means, a cement means and an electroplating means.

5. A method of making a Dental Prosthesis according to claim 1 whereby said formable metal is selected from the group consisting of metal, metal plate, gold, gold plate, platinum, platinum plate, titanium, titanium plate, nickel, nickel plate, chrome, chrome plate, a metal mesh, a sintered metal mesh, dead soft metal wire, porous dead soft sintered metal fibers, porous dead soft sintered metal fibers in the shape of a small cotton ball, porous dead soft sintered metal fibers in the shape of a thin felt sheet, a metal foil, a metal screen, a metal rod; a metal bar, precious dead soft metal wire, precious dead soft sintered metal fibers in the shape of a small cotton ball, precious porous dead soft sintered metal fibers in the shape of a thin felt sheet, porous dead soft sintered metal fibers in the shape of a small steel-wool pad, a paste made of flux and metal powder, a paste made of flux and metal powder, a paste made of flux and metal filings, a precious metal foil, a precious metal screen, a precious metal rod, a precious metal bar, metal filings, metal beads, metal pieces, metal rods, metal wire, metal screen, metal parts, prefabricated metal parts, plastic parts, prefabricated plastic parts, fiber pieces, knitted fiber, fiber parts, fiber/resin parts and prefabricated fiber/resin parts.

6. A method of making a Dental Prosthesis according to claim 2 whereby said tooth-like outer layer is selected from the group consisting metal, metal plate, gold, gold plate, platinum, platinum plate, titanium, titanium plate, nickel, nickel plate, chrome, chrome plate, plastic, porcelain, a dental resin, an indictable porcelain, a pressable ceramic, a castable ceramic, a composite, a composite resin, a resin, a plastic and an electroplate.

7. A method of making a Dental Prosthesis according to claim 1 whereby said model representation of said dental patient's mouth comprises a refractory model .

8. A method of making a Dental Prosthesis comprising:

- a. providing a working platform, whereby said working platform is selected from the group consisting of a dental patient's mouth and a model representation of a dental patient's mouth;
- b. providing a formable metal;
- c. providing a tooth-like outer layer;
- d. providing a joining means for joining said formable metal;
- e. shaping said formable metal on said working platform ;
- f. joining said formable metal with said joining means to form a solid and rigid metal structure where said solid and rigid structure becomes at least part of said Dental Prosthesis; and
- g. forming and finishing said tooth-like outer layer on said metal structure.

9. A method of making a Dental Prosthesis according to claim 8 whereby said Dental Prosthesis is selected from the group consisting of an inlay, an onlay, a full metal crown, a crown, a bridge, a fixed prosthesis, a removable prosthesis, a partial denture and a denture.

10. A method of making a Dental Prosthesis according to claim 8 whereby said joining means is selected from the group consisting of a soldering means, a braising means, a welding means, a laser welding means, a bonding means, an encasing means, a filling means, a covering means, a flowable metal means, flowable plastic means, a dental resin means, a flowable resin means, a composite means, a porcelain means, a metal means, a plastic means, a cement means and an electroplating means.

11. A method of making a Dental Prosthesis according to claim 8 whereby said formable metal is selected from the group consisting of metal, metal plate, gold, gold plate, platinum, platinum plate, titanium, titanium plate, nickel, nickel plate, chrome, chrome plate, a metal mesh, a sintered metal mesh, dead soft metal wire, porous dead soft sintered metal fibers, porous dead soft sintered metal fibers in the shape of a small cotton ball, porous dead soft sintered metal fibers in the shape of a thin felt sheet, a metal foil, a metal screen, a metal rod; a metal bar, precious dead soft metal wire, precious dead soft sintered metal fibers in the shape of a small cotton ball, precious porous dead soft sintered metal fibers in the shape of a thin felt sheet, porous dead soft sintered metal fibers in the shape of a small steel-wool pad, a paste made of flux and metal powder, a paste made of flux and metal powder, a paste made of flux and metal filings, a

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precious metal foil, a precious metal screen, a precious metal rod, a precious metal bar, metal filings, metal beads, metal pieces, metal rods, metal wire, metal screen, metal parts, prefabricated metal parts, plastic parts, prefabricated plastic parts, fiber pieces, knitted fiber, fiber parts, fiber/resin parts and prefabricated fiber/resin parts.

12. A method of making a Dental Prosthesis according to claim 8 whereby said tooth-like outer layer is selected from the group consisting of metal, metal plate, gold, gold plate, platinum, platinum plate, titanium, titanium plate, nickel, nickel plate, chrome, chrome plate, plastic, porcelain, a dental resin, an indictable porcelain, a pressable ceramic, a castable ceramic, a composite, a composite resin, a resin, a plastic and an electroplate.

13. A method of making a Dental Prosthesis according to claim 8 whereby said model representation of said dental patient's mouth comprises a refractory model .

14. A method of making a Dental Prosthesis comprising:

- a) providing a working platform, whereby said working platform is selected from the group consisting of a dental patient's mouth and a model representation of a dental patient's mouth;
- b. providing a formable metal;
- c. providing a tooth-like outer layer;
- e. shaping said formable metal on said working platform to form a metal structure;

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- f. forming and finishing said tooth-like outer layer on said metal structure;
- g. cementing to a patient's natural tooth using a flowable cement to fill areas not already filled by said tooth-like outer layer and to form a solid and rigid metal structure, where said solid and rigid structure becomes at least part of said Dental Prosthesis.

15. A method of making a Dental Prosthesis according to claim 14 wherein said shaping step further comprises:

- a. providing a joining means for joining said metal structure;
- b. joining said formable metal with said joining means to form a solid and rigid metal structure where said solid and rigid structure becomes at least part of said Dental Prosthesis.

16. A method of making a Dental Prosthesis according to claim 14 whereby said Dental Prosthesis is selected from the group consisting of an inlay, an onlay, a full metal crown, a crown, a bridge, a fixed prosthesis, a removable prosthesis, a partial denture and a denture.

17. A method of making a Dental Prosthesis according to claim 15 whereby said joining means is selected from the group consisting of a soldering means, a braising means, a welding means, a laser welding means, a bonding means, an encasing means, a filling means, a covering means, a flowable metal means, flowable plastic means, a dental resin means, a flowable resin means, a composite means, a porcelain means, a metal means, a plastic means, a cement means and an electroplating means.

18. A method of making a Dental Prosthesis according to claim 14 whereby said formable metal is selected from the group consisting of metal, metal plate, gold, gold plate, platinum, platinum plate, titanium, titanium plate, nickel, nickel plate, chrome, chrome plate, a metal mesh, a sintered metal mesh, dead soft metal wire, porous dead soft sintered metal fibers, porous dead soft sintered metal fibers in the shape of a small cotton ball, porous dead soft sintered metal fibers in the shape of a thin felt sheet, a metal foil, a metal screen, a metal rod; a metal bar, precious dead soft metal wire, precious dead soft sintered metal fibers in the shape of a small cotton ball, precious porous dead soft sintered metal fibers in the shape of a thin felt sheet, porous dead soft sintered metal fibers in the shape of a small steel-wool pad, a paste made of flux and metal powder, a paste made of flux and metal powder, a paste made of flux and metal filings, a precious metal foil, a precious metal screen, a precious metal rod, a precious metal bar, metal filings, metal beads, metal pieces, metal rods, metal wire, metal screen, metal parts, prefabricated metal parts, plastic parts, prefabricated plastic parts, fiber pieces, knitted fiber, fiber parts, fiber/resin parts and prefabricated fiber/resin parts.

19. A method of making a Dental Prosthesis according to claim 14 whereby said tooth-like outer layer is selected from the group consisting of metal, metal plate, gold, gold plate, platinum, platinum plate, titanium, titanium plate, nickel, nickel plate, chrome, chrome plate, plastic, porcelain, a dental resin, an indictable porcelain, a pressable ceramic, a castable ceramic, a composite, a composite resin, a resin, a plastic and an electroplate.

20. A method of making a Dental Prosthesis according to claim 14 whereby said model representation of said dental patient's mouth comprises a refractory model .

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